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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of Turnbough

USSN 09/229,751

Filed: January 14, 1999

Title: PEPTIDE LIGANDS THAT BIND TO SURFACES OF BACTERIAL SPORES

RESPONSE TO RESTRICTION REQUIREMENT

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

November 1, 1999

[Handwritten signature]
11/2/99

Sir:

This is a response to the Restriction Requirement mailed October 1, 1999.

Applicants hereby elect the invention of claims 10-13 along with claims 15 - 20. Claims 15 and 18 relate to compositions in accord with newly amended claims 10-13. Claims 16, 17, 19 and 20 relate to the methods by which the composition is used. It is believed claims 10-13 and 1-20 should, properly, be examined together.

Please amend the claims by adding the following claims:

14. A method of claim 1 wherein the spores used in step (a) are B. subtilis, B. anthracis, or B. cereus spores.
15. A composition of matter comprising a peptide ligand known to

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bind to spores from a particular species of bacteria and a sample suspected of containing spores which will bind to said peptide ligand.

16. A method of identifying spores of particular species of bacteria comprising:

- 1) exposing the sample of material suspected of containing said spores to peptide ligands known to bind to spores of said species of bacteria under conditions which will provide evidence of the binding of said ligands to said spores, then
- 2) observing said sample for evidence of binding of said ligands to said spores.

17. A method of claim 16 wherein the peptide ligands bind to spores of B. subtilis, B. anthracis or B. cereus.

18. A composition of claim 15 wherein the peptide ligand is in a liquid medium.

19. A method of claim 16 wherein the the peptide ligand has been attached to a tag.

20. A method of claim 19 wherein the tag is a fluorescent, phosphorescent or radioactive tag.

10. A composition of matter of claim 15 comprising a peptide ligand which binds with specificity to the surface of a bacterial spore, said ligand being bound to a solid support.

Applicant elects to retain the non-elected claims in the application until allowance of examined claims.

Attached hereto is a check in payment for the added indepen-

dent claim. The commissioner is authorized to debit Deposit Account 08-1652 in any additional amounts required to fully pay all fees or to credit any over-payment to said account.

It is believed the claims are now in condition for allowance. If discussion would facilitate prosecution of this application, the Examiner is invited to contact the Applicant's representative at (703) 591-4470.

Respectfully Submitted;

A handwritten signature in cursive script, appearing to read "Glenna Hendricks".

Glenna Hendricks, Reg. No. 32535